

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#4
02.07.02

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|-------------|-----------------------------|-----------------|-------------------|
| Applicant: | Alan N. Willson, Jr. et al. | Examiner: | Not yet assigned |
| Serial No.: | 09/938,978 | Group Art Unit: | 2121 |
| Filed: | August 24, 2001 | Docket: | G&C 31006.2-US-U1 |
| Title: | BYPASSABLE ADDER | | |



CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on December 21, 2001.

By: Victor G. Cooper
Name: Victor G. Cooper

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

We are transmitting herewith the attached:

- ☒ Transmittal sheet, in duplicate, containing a Certificate of Mailing under 37 CFR 1.8.
- ☒ Information Disclosure Statement and Form PTO-1449.
- ☒ Cited Reference(s).
- ☒ Return postcard.

Please consider this a **PETITION FOR EXTENSION OF TIME** for a sufficient number of months to enter these papers, if appropriate.

Please charge any additional fees or credit any overpayment to Deposit Account No. 50-0494 of Gates & Cooper LLP. A duplicate of this paper is enclosed.

CUSTOMER NUMBER 22462.

GATES & COOPER LLP
Howard Hughes Center
6701 Center Drive West, Suite 1050
Los Angeles, CA 90045
(310) 641-8797

By: Victor G. Cooper
Name: Victor G. Cooper
Reg. No.: 39,641
VGC/sjm

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JAN 22 2002
Technology Center 2100

(PTO TRANSMITTAL - GENERAL)

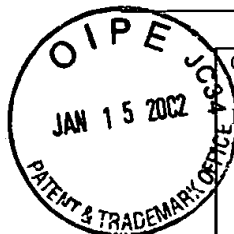
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INFORMATION DISCLOSURE STATEMENT(37 C.F.R. §1.97(b))

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the mailing date of a first Office Action on-the-merits. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. §1.98(a)(2), a copy of each document or other information listed on the enclosed Form 1449 is provided.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art". Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please direct any response or inquiry to the below-signed attorney at (310) 641-8797.

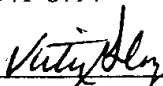
Respectfully submitted,

GATES & COOPER LLP
Attorneys for Applicant(s)

Howard Hughes Center
6701 Center Drive West, Suite 1050
Los Angeles, California 90045
(310) 641-8797

Date: December 21, 2001

VGC/sjm

By: 
Victor G. Cooper
Reg. No.: 39,641

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|--|----------------------------------|--------------------------------|
| Form 1449* | Docket Number: G&C 31006.2-US-U1 | Application Number: 09/938,978 |
| INFORMATION DISCLOSURE STATEMENT | | |
| Applicant: Alan N. Willson, Jr. et al. | | |
| Filing Date: August 24, 2001 | | Group Art Unit: 2121 |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|--------------|----------|--------------------|-------|----------|---------------------------|
| EXAMINER INITIAL | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS | FILED DATE IF APPROPRIATE |
| | 4,746,899 | 05/24/88 | Swanson et al. | | | |
| | 4,751,666 | 06/14/88 | Gillingham | | | |
| | 5,953,241 | 09/14/99 | Hansen et al. | | | |
| | 6,308,190 B1 | 10/23/01 | Willson Jr. et al. | | | |

| FOREIGN PATENTS | | | | | | |
|-----------------|--------------|------|---------|-------|----------|-------------|
| | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |
| | | | | | | YES |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | |
|--|--|---|
| | | Chevillat, Pierre R. et al., "Optimum FIR Transmitter and Receiver Filters for Data Transmission over Band-Limited Channels," IEEE Transactions on Communications, Vol. Com-30, No. 8, August 1982, pp. 1909-1915. |
| | | Kuo, Tzu-Chieh et al., "A Programmable Interpolation Filter for Digital Communications Applications," Proceedings of the 1998 IEEE International Symposium on Circuits and Systems, May 31-June 3, 1998, Monterey, CA, IEEE, 1998, Vol. II, pp. II-98 - II-100. |
| | | Kuo, Tzu-Chieh, "A Programmable Interpolation Filter for Digital Communication Applications," Thesis, Master of Science in Electrical Engineering, University of California, Los Angeles, CA, 1996, pp. xi, 1-51. |
| | | Moreau de Saint-Martin, Francois et al., "Design of Optimal Linear-Phase Transmitter and Receiver Filters for Digital Systems," IEEE, 1995, pp. 885-888. |
| | | Proakis, John G. et al., "Digital Signal Processing: Principles, Algorithms, and Applications," Macmillan Publishing Company, New York, pp. 485-502, undated. |
| | | Samueli, Henry, "On the Design of Optimal Equiripple FIR Digital Filters for Data Transmission Applications," IEEE Transactions on Circuits and Systems, Vol. 35, No. 12, December 1998, pp. 1542-1546. |
| | | Samueli, Henry, "On the Design of FIR Digital Data Transmission Filters with Arbitrary Magnitude Specifications," IEEE Transactions on Circuits and Systems, Vol. 38, No. 12, December 1991, pp. 1563-1567. |
| | | Thompson, Charles D. et al., "A Digitally-Corrected 20b Delta-Sigma Modulator," IEEE International Solid-State Circuits Conference, Session 11/Oversampled Data Conversion/Paper TP 11.5, IEEE 1994, pp. 194-195. |
| | | Vaidyanathan, P.P., "Multirate Systems and Filter Banks," Prentice Hall, Englewood Cliffs, NJ 07631, pp. 118-134, undated. |
| | | Kuskie C. et al. (1995) "A Decimation Filter Architecture for GHz Delta-Sigma Modulators," IEEE Int'l Symposium on Circuits and Systems, pp. 953-956. |
| | | Nagari, A. et al., "A 2.7V 11.8 mW Baseband ADC with 72 dB Dynamic Range for GSM," 1999, IEEE, Custom Integrated Circuits Conference, pp. 133-136. |

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|---|------------------|
| EXAMINER: | DATE CONSIDERED: |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant. | |